## AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An inverter control unit for motor driving, said inverter control unit comprising:

a rectifier circuit operable to convert into a DC power a first AC power inputted from an AC power supply, said rectifier circuit including a diode bridge and a reactor connected to an AC input side or a DC output side of said diode bridge and having a small inductance, with said diode bridge having a plurality of first driver elements;

an inverter operable to convert the DC power from said rectifier circuit into a second AC power so as to output the second AC power to a motor, said inverter including a plurality of second driver elements;

a capacitor operable to absorb regenerative energy of the motor, said capacitor being connected between DC buses of said inverter and having a small capacitance; and

an overvoltage protecting circuit connected between said DC buses of said inverter in parallel with said capacitor so as to be actuated prior to a breakdown of said first driver elements of said diode bridge and said second driver elements of said inverter,

wherein, when a charging voltage of said capacitor has reached a preset voltage, a regenerative current of the motor flows through said overvoltage protecting circuit such that the [[a]] charging voltage of said capacitor, which is raised by the regenerative energy of the motor when the motor is being stopped, is set lower than a breakdown voltage of said capacitor and said inverter by said overvoltage protecting circuit.

- 2. (Previously Presented) The inverter control unit as claimed in Claim 1, wherein said overvoltage protecting circuit is formed by a surge absorber.
- 3. (Previously Presented) The inverter control unit as claimed in Claim 1, wherein said overvoltage protecting circuit is formed by a surge absorber and a gas arrester connected to said surge absorber in series.
- 4. (Currently Amended) An air-conditioner including an inverter control unit for driving a motor, said inverter control unit comprising:

a rectifier circuit operable to convert into a DC power a first AC power inputted from an AC power supply, said rectifier circuit including a diode bridge and a reactor connected to an AC input side or a DC output side of said diode bridge and having a small inductance, with said diode bridge having a plurality of first driver elements;

an inverter operable to convert the DC power from said rectifier circuit into a second AC power so as to output the second AC power to the motor, said inverter including a plurality of second driver elements;

a capacitor operable to absorb regenerative energy of the motor, said capacitor being connected between DC buses of said inverter and having a small capacitance; and

an overvoltage protecting circuit connected between said DC buses of said inverter in parallel with said capacitor so as to be actuated prior to a breakdown of said first driver elements of said diode bridge and said second driver elements of said inverter,

wherein, when a charging voltage of said capacitor has reached a preset voltage, a regenerative current of the motor flows through said overvoltage protecting circuit such that the [[a]] the charging voltage of said capacitor, which is raised by the regenerative energy of the motor when the motor is being stopped, is set lower than a breakdown voltage of said capacitor and said inverter by said overvoltage protecting circuit.

- 5. (Previously Presented) The air-conditioner as claimed in Claim 4, wherein said overvoltage protecting circuit is formed by a surge absorber.
- 6. (Previously Presented) The air-conditioner as claimed in Claim 4, wherein said overvoltage protecting circuit is formed by a surge absorber and a gas arrester connected to said surge absorber in series.